

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

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of

1

**Complete if Known**

Application Number	10/657,310
Filing Date	09/08/2003
First Named Inventor	Robin G. Skinner
Art Unit	3748
Examiner Name	THERESA TRIEU
Attorney Docket Number	TEC1215/C-507

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
TT		US- 5,110,268	05-05-1992	Sakurai et al.	
		US- 5,137,437	08-11-1992	Machida et al.	
		US- 5,176,506	01-05-1993	Siebel	
		US- Re. 34,297	06-29-1993	Elson	
		US- 5,345,785	09-13-1994	Sekigami et al.	
		US- 5,391,066	02-21-1995	Sawai et al.	
		US- 5,580,233	12-03-1996	Wakana et al.	
		US- 5,597,293	01-28-1997	Bushnell et al.	
		US- 5,695,326	12-09-1997	Oka et al.	
		US- 6,167,719	01-02-2001	Yakumaru et al.	
TT		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
TT		JP02001020881A	01-23-2001	Sekigami, Kazuo		


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<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO.		APPLICATION NO.		
				TEC1215-01/C-507		10/657.310		
				APPLICANT(S)				
				Robin G. Skinner				
FILING DATE		GROUP ART UNIT						
September 8, 2003		3748						
<b>U.S. PATENT DOCUMENTS</b>								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
TT		Re. 25,569	05/05/1964	Coron et al.	<del>230</del>	<del>117</del>		
		2,661,172	12/01/1953	Needham	248	19		
		3,039,725	06/19/1962	Kerley, Jr.	<del>248</del>	<del>20</del>		
		3,145,960	08/25/1964	Langdon	<del>248</del>	<del>13</del>		
TT		3,749,340	07/31/1973	Williams et al.	<del>248</del>	<del>34</del>		
<b>U.S. PATENT APPLICATION PUBLICATIONS</b>								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
TT		2001/0055536	12/27/2001	Bernardi et al.	<del>418</del>	<del>55.6</del>		
TT		2001/0006603	07/05/2001	Hong et al.	<del>418</del>	<del>66.1</del>		
<b>FOREIGN PATENT DOCUMENTS</b>								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
TT		JP402061382A	03/01/1990	Japan				
		JP407259764A	10/09/1995	Japan				
		JP61087994	05/06/1986	Japan				
		JP410148191A	06/02/1998	Japan				
TT		JP2002098056A	04/05/2002	Japan				
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
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<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary) <div style="text-align: left; margin-top: 10px;"> </div>				ATTY DOCKET NO. <b>TEC1215-01/C-507</b>		APPLICATION NO. <b>10/657,310</b>	
				Robin G. Skinner			
				FILING <b>September 8, 2003</b>		GROUP ART <b>3748</b>	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
TT	3,785,167	01/15/1974	Sahs	<del>62</del>	<del>396</del>		
	4,089,613	05/16/1978	Babbitt, Jr.	<del>403</del>	<del>388</del>		
	4,244,680	01/13/1981	Ishizuka et al.	<del>418</del>	<del>97</del>		
	4,389,171	06/21/1983	Eber et al.	<del>418</del>	<del>15</del>		
TT	4,416,594	11/22/1983	Ichikawa	<del>417</del>	<del>360</del>		

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
						YES	NO	
TT	JP2002021729A	01/23/2002	Japan					
TT	2 755 477 A1	11/05/1997	France					

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	4,497,615	02/05/1985	Griffith	417	310	
	4,518,276	05/21/1985	Mitchell et al.	403	13	
	4,552,518	11/12/1985	Utter	410	55	
	4,557,677	12/10/1985	Hasegawa	410	63	
TT	4,685,188	08/11/1987	Goy	29	446	

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TT	4,767,293	08/30/1988	Caillat et al.	<del>410</del>	<del>55</del>	
	4,792,288	12/20/1988	Gromoll et al.	<del>417</del>	<del>278</del>	
	4,818,198	04/04/1989	Tamura et al.	<del>418</del>	<del>55</del>	
	4,877,382	10/31/1989	Caillat et al.	<del>418</del>	<del>55</del>	
TT	4,992,033	02/12/1991	Caillat et al.	<del>418</del>	<del>55.3</del>	

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TT	5,012,896	05/07/1991	Da Costa	<del>184</del>	<del>616</del>	
	5,055,010	10/08/1991	Logan	<del>417</del>	<del>410</del>	
	5,062,779	11/05/1991	Da Costa	<del>418</del>	<del>270</del>	
	5,114,322	05/19/1992	Caillat et al.	<del>418</del>	<del>55.6</del>	
TT	5,211,031	05/18/1993	Murayama et al.	<del>62</del>	<del>498</del>	

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TT	5,219,281	06/15/1993	Caillat et al.	<del>418</del>	<del>55.6</del>	
	5,222,885	06/29/1993	Cooksey	<del>418</del>	<del>96</del>	
	5,224,845	07/06/1993	Mangyo et al.	<del>417</del>	<del>423.13</del>	
	5,240,391	08/31/1993	Ramshankar et al.	<del>417</del>	<del>410 R</del>	
TT	5,247,738	09/28/1993	Yoshii	<del>29</del>	<del>888.032</del>	

**U.S. PATENT APPLICATION PUBLICATIONS**

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	5,312,234	05/17/1994	Yoshii	<del>418</del>	<del>551</del>	
	5,345,970	09/13/1994	Leyderman et al.	<del>437</del>	<del>856</del>	
	5,346,375	09/13/1994	Akiyama et al.	<del>418</del>	<del>15</del>	
	5,348,455	09/20/1994	Herrick et al.	<del>418</del>	<del>63</del>	
TT	5,370,156	12/06/1994	Peracchio et al.	<del>437</del>	<del>856</del>	

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	5,427,511	06/27/1995	Callat et al.	<del>418</del>	<del>55.1</del>	
	5,474,433	12/12/1995	Chang et al.	<del>418</del>	<del>55.4</del>	
	5,487,648	01/30/1996	Alfano et al.	<del>417</del>	<del>312</del>	
	5,522,715	06/04/1996	Watanabe et al.	<del>418</del>	<del>55.1</del>	
TT	5,531,577	07/02/1996	Hayase et al.	<del>418</del>	<del>55.1</del>	

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	5,533,875	07/09/1996	Crum et al.	<del>417</del>	<del>368</del>	
	5,579,651	12/03/1996	Sugiyama et al.	<del>62</del>	<del>469</del>	
	5,597,296	01/28/1997	Akazawa et al.	<del>418</del>	<del>55.1</del>	
	5,634,781	06/03/1997	Yoshida et al.	<del>418</del>	<del>55.1</del>	
TT	5,645,408	07/08/1997	Fujio et al.	<del>418</del>	<del>55.4</del>	

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TT	5,660,539	08/26/1997	Matsunaga et al.	418	55.6	
	5,683,237	11/04/1997	Hagiwara et al.	418	55.2	
	5,716,202	02/10/1998	Koyama et al.	418	55.6	
	5,720,601	02/24/1998	Tark et al.	417	56.9	
TT	5,745,992	05/05/1998	Caillat et al.	29	888.02	

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TT	5,752,688	05/19/1998	Campbell et al.	<del>248</del>	<del>674</del>	
	5,769,126	06/23/1998	Cho	<del>437</del>	<del>856</del>	
	5,772,411	06/30/1998	Crum et al.	<del>417</del>	<del>368</del>	
	5,772,416	06/30/1998	Caillat et al.	<del>418</del>	<del>556</del>	
TT	5,775,894	07/07/1998	Kosco, Jr.	<del>418</del>	<del>63</del>	

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TT	5,810,572	09/22/1998	Yamamoto et al.	<del>418</del>	<del>35.6</del>	
	5,829,959	11/03/1998	Tsubono et al.	<del>418</del>	<del>35.5</del>	
	5,863,190	01/26/1999	Yamamoto et al.	<del>418</del>	<del>55.1</del>	
	5,913,892	06/22/1999	Kwon	<del>62</del>	<del>296</del>	
TT	5,931,649	08/03/1999	Caillat et al.	<del>418</del>	<del>55.1</del>	

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	5,964,581	10/12/1999	Iizuka et al.	<del>417</del>	<del>410.3</del>	
	6,000,917	12/14/1999	Smerud et al.	<del>417</del>	<del>360</del>	
TT	6,011,336	01/04/2000	Mathis et al.	<del>310</del>	<del>91</del>	

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	6,027,321	02/22/2000	Shim et al.	<del>418</del>	<del>1</del>	
	6,039,551	03/21/2000	Takeuchi et al.	<del>418</del>	<del>88</del>	
	6,050,794	04/18/2000	Noboru et al.	<del>418</del>	<del>55.6</del>	
	6,056,523	05/02/2000	Won et al.	<del>418</del>	<del>15</del>	
TT	6,106,254	08/22/2000	Hirooka et al.	<del>418</del>	<del>55.6</del>	

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APPLICATION NO.  
10/657,310

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TT	6,132,191	10/17/2000	Hugenroth et al.	<del>418</del>	<del>55.1</del>	
	6,139,291	10/31/2000	Perevozchikov	<del>418</del>	<del>55.1</del>	
	6,156,106	12/05/2000	Kamata	<del>96</del>	<del>189</del>	
	6,162,035	12/19/2000	Hayano et al.	<del>418</del>	<del>220</del>	
TT	6,171,076	01/09/2001	Gannaway	<del>417</del>	<del>350</del>	

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TT	6,179,589	01/30/2001	Bass et al.	<del>418</del>	<del>55.1</del>	
	6,186,753	02/13/2001	Hugenroth et al.	<del>418</del>	<del>55.1</del>	
	6,224,356	05/01/2001	Dewar et al.	<del>418</del>	<del>55.1</del>	
	6,227,830	05/08/2001	Fields et al.	<del>418</del>	<del>55.1</del>	
TT	6,247,910	06/19/2001	Yokoyama	<del>418</del>	<del>55.1</del>	

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TT	6,261,073	07/17/2001	Kumazawa	<del>418</del>	<del>63</del>	
TT	6,264,446	07/24/2001	Rajendran et al.	<del>418</del>	<del>56.6</del>	
TT	6,280,154	08/28/2001	Clendenin et al.	<del>417</del>	<del>410.5</del>	
TT	6,299,423	10/09/2001	Perevozchikov	<del>418</del>	<del>55.1</del>	
TT	6,305,912	10/23/2001	Svensen et al.	<del>417</del>	<del>313</del>	

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TT	6,402,485	06/11/2002	Hong et al.	<del>417</del>	<del>366</del>	

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